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*Rhea Amid*  
RHEA AMID

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

M. J. VERMEULEN et al.

Serial No.: Continuation of 09/341,400

Filing Date: November 14, 2000

For: NOVEL POLYAMINE ANALOGUES  
AS THERAPEUTIC AND DIAGNOSTIC  
AGENTS

Examiner: TO BE ASSIGNED

Group Art Unit: TO BE ASSIGNED

**PRELIMINARY AMENDMENT**

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Prior to calculation of the fees and examination of this application, please amend the application as follows:

In the specification:

On page 1, first line after the title, please insert the following:

--This application is a continuation of 09/341,400, filed September 3, 1999, allowed,  
which is a 371 of PCT/US98/14896, filed July 15, 1998, which claims benefit of priority from

now U.S. Patent No.  
6,172,261

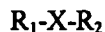
U.S. provisional applications 60/052,586, filed July 15, 1997, 60/065,728, filed November 14, 1997, and 60/085,538, filed May 15, 1998.

In the claims:

Please cancel claims 1-35.

Please enter the following new claims:

36. A polyamine derivative, or salt thereof, wherein said derivative has the formula



wherein

$R_1-X$  is of the formula  $R-NH-CR'R''-CO-$  wherein  $-NH-CR'R''-CO-$  is

a D- or L- form of valine, asparagine, or glutamine, or

the D- form of lysine or arginine, and

where  $R''$  is H, or an analogue thereof wherein  $R''$  is  $CH_3$ ,  $CH_2CH_3$ , or  $CHF_2$ ;

$R$  is H or a head group selected from the group consisting of a straight or branched  $C_{1-10}$  aliphatic, alicyclic, single or multiring aromatic, single or multiring aryl substituted aliphatic, aliphatic-substituted single or multiring aromatic, a single or multiring heterocyclic, a single or multiring heterocyclic-substituted aliphatic and an aliphatic-substituted aromatic; and

$R_2$  is a polyamine.

37. The derivative of claim 36 wherein  $R$  is H.

38. The derivative of claim 37 wherein  $-NH-CR'R''-CO-$  is the D- form of lysine.

39. The derivative of claim 38 wherein  $R_2$  is spermine.

40. The derivative of claim 39 wherein  $R_1-X$  is attached to spermine at the  $N_1$  position of spermine.